

Italian Enterprise-Grade Optical Router 1G



Overview

Cisco Enterprise Router Selector Explore our router selector to swiftly identify and migrate to the Cisco enterprise router that best fits your The 10 Best.

Key Takeaways

Tenda G1 and RAD ETX-2i 1G are CE-certified enterprise-grade 1G routers suitable for Italy. Tenda G1 Enterprise Router

The Tenda G1 is a CE-certified enterprise wired router designed for small and medium-sized businesses in Italy . Key features include:

- 1 Gbps broadband support for HD video streaming, online gaming, and video conferencing
- High-performance dual-core processor with large memory for stable and fast networking
- Concurrent connections up to 49,000, recommended for 100-150 devices
- Multi-WAN support with 4 WAN ports for bandwidth overlay and traffic balancing
- Router and Controller modes: manage up to 128 APs in Router Mode and 256 APs in Controller Mode
- Security features: DoS/DDoS protection, IP/MAC binding, MAC filtering, URL filtering

- VPN support: IPsec, PPTP, L2TP
- CE-certified for compliance with European safety and electromagnetic standards
This router is ideal for enterprise offices, smart homes, and multi-device environments requiring reliable 1G connectivity.

RAD ETX-2i 1G Carrier Ethernet Router

For carrier-grade or SLA-based services, the RAD ETX-2i 1G is a CE-compliant Ethernet demarcation device . Highlights include:

- 1G Ethernet (1GbE) connectivity for L2/L3 business services, wholesale networks, and mobile backhaul
- MEF 3.0 certification for assured service activation and SLA compliance
- Modular interfaces: FE/GbE, E1/T1, T3, VDSL2, SHDSL
- Integrated wire-speed switch/router for edge network demarcation
- Synchronization support: Sync-E, IEEE 1588v2 for frequency and phase alignment in mobile networks
- Environmentally hardened options for NEBS compliance This device is suitable for service providers or enterprises needing highly reliable, SLA-driven 1G optical routing.

MikroTik CCR Series (Optional High-Performance)

While primarily designed for high-throughput environments, MikroTik CCR2004-1G-12S+2XS and CCR2216-1G-12XS-2XQ routers also offer 1G Ethernet ports alongside multi-gigabit SFP/SFP+ connectivity . They are suitable for enterprises requiring advanced routing, BGP, and multi-tunnel performance, though they are more complex than Tenda G1 for small-to-medium deployments.

Recommendation

- For small to medium enterprises in Italy: Tenda G1 provides CE-certified, easy-to-manage 1G performance with robust security and multi-WAN support.
- For carrier-grade or SLA-focused deployments: RAD ETX-2i 1G offers MEF 3.0 compliance and modular interfaces for professional network demarcation.
- For high-performance, multi-gigabit routing: MikroTik CCR series can be considered if advanced routing and SFP/SFP+ flexibility are required. These options ensure compliance with European CE standards while delivering enterprise-grade 1G optical routing performance.

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